

PERFORMANCE BENCHMARKS

404.02N

Producing a Compressed Air Foam Stream (CAFS)

Discipline: Driver/Operator

Effective: 1/5/2011

Revised:

Replaces:

Anne Huff, Fire Chief

I. Objective

The Driver/Operator will produce a correctly proportioned foam fire stream using a compressed air foam system (CAFS).

II. Instructions – Procedures for Achieving the Objective

Given a fire apparatus equipped with a foam proportioning system, a compressed air foam system (CAFS), the correct nozzles and equipment, the Driver/Operator shall produce a correctly proportioned foam fire stream using the on-board compressed air foam system (CAFS).

III. Examiner's Note

The Driver/Operator will not be allowed to review the performance steps at the time of testing.

IV. Preparation & Equipment

- A. Fire department apparatus equipped with a foam proportioning system and a compressed air foam system (CAFS)
- B. Correct nozzles and equipment for producing a CAFS foam stream
- C. Foam or practice foam
- D. Water source

V. Reference Sources

- A. IFSTA Pumping Apparatus Driver/Operator Handbook, 2nd edition.
- B. The Compressed Air Foam Systems Handbook (*Dominic Colletti*), 1st edition.
- C. NFPA 1901, Chapter 22, pp. 1145 and 1150
- D. Apparatus Operators Manual

404.02N – Producing a Foam Fire Stream Using a Compressed Air Foam System (CAFS)

Discipline: D/O

Name:	Officer #:
Evaluator:	Officer #:
Date:	Location/Unit:

The Driver/Operator: (No partial points given)

- A. Correctly sets the parking brake and engages the apparatus fire pump before exiting the cab P/F _____
- B. Ensures pump is in **volume** (parallel) mode P/F _____
- C. Opens tank-to-pump valve P/F _____
- D. Turns foam system on and selects the correct foam settings P/F _____
- E. Engages the air compressor at engine idle P/F _____
- F. Selects PSI mode on the governor and then selects pre-set mode P/F _____
- G. Verbalizes to examiner the fire pump and compressor are equalized at 100 psi P/F _____
- H. Opens the correct discharge and correctly positions the discharge valve to produce a firefighting foam stream (**wet CAFS**) P/F _____
- I. Engages the air charging switch..... P/F _____
- J. Checks and monitors for the correct GPM flow on the foam system display 5.0 _____
- K. Correctly reverses the procedure to end CAFS foam pumping operations P/F _____
- L. Verbalizes to the examiner the importance of engaging or disengaging the air compressor at engine idle only..... 5.0 _____
- M. Verbalizes to the examiner the differences and use of "wet CAFS" to "dry CAFS" foam streams 5.0 _____

Points Possible	Passing Score	Attempt	Performance Rating (Points)	PASS	FAIL
15	10	First			
		Second			
		Third			